Sreehari S Kumar

ssksreehari@gmail.com
(+91) 8137896560
Ernakulam
https://linkedin.com/in/sreehari-s-kumar

Summary

Experienced and results-driven Cloud and DevOps Engineer with over 4 years of hands-on experience in designing, implementing, and maintaining cloud-based solutions. Proven expertise in leveraging Amazon Web Services (AWS) to automate the deployment and management of cloud resources, optimizing for cost and performance. Skilled in leading cross-functional teams and collaborating closely with stakeholders to deliver high-quality projects on time and within budget.

Skills

- **AWS Services** - EC2, ECS, RDS, IAM, VPC, EBS, S3, EFS, RDS, ELB, Lambda, KMS, CloudWatch, Guard Duty, Route53, CloudFront, Code Build and Security Hub
- **Infrastructure as Code** - Terraform
- **Containerization** - Docker, ECS
- **Automation** - Ansible
- **Version Control** - Git
- **Scripting** - Bash, Python
- **CI/CD Implementation** - Jenkins, GitHub Action

Experience:

Sr. DevOps Engineer

Crozaint Technologies Pvt Limited, Ernakulam, Kerala   06/2023 – Present

- **Container Orchestration:** Orchestrated Docker containers using AWS ECS for containerized deployments, scaling, and management.
- **Infrastructure as Code (IaC):** Implemented Infrastructure as Code (IaC) principles using tools such as Terraform, reducing deployment time and ensuring consistency.
- **High Availability and Disaster Recovery:** Designed and implemented high availability and disaster recovery strategies on AWS, ensuring minimal downtime and rapid recovery in case of failure.
- **Automated Testing and Quality Assurance:** Automated testing processes and integrated them into CI/CD pipelines, ensuring high code quality and reliability of deployments.
- **Cross-Functional Collaboration:** Collaborated closely with development, operations, and QA teams to streamline processes and foster a DevOps culture within the organization.
- **Incident Management and Root Cause Analysis:** Led incident response efforts, performed root cause analysis, and implemented corrective actions to prevent recurrence.
- **Cost Optimization:** Optimized cloud resource utilization and costs, leveraging AWS cost management tools and strategies to achieve significant savings.
- **Continuous Improvement Initiatives:** Spearheaded continuous improvement initiatives, including performance tuning, infrastructure upgrades, and adoption of new technologies to enhance system scalability and reliability.

Analyst - Cloud & DevOps

FutureBlox Technologies Pvt Ltd   03/2022 - 12/2022

- **CI/CD Pipeline Development:** Developed and maintained CI/CD pipelines using tools like Jenkins, GitHub Action to automate building, testing, and deployment processes.
- **Cloud Platform Experience:** Worked with AWS and Azure to manage cloud infrastructure.
- **Containerization:** Used Docker to containerize applications and managed container orchestration using Docker Swarm.
- **Automated Task Execution:** Created and maintained shell scripts to automate daily operational tasks, improving efficiency and reducing manual effort.
- **Monitoring and Alerting:** Managed and monitored infrastructure and applications using monitoring tools like Zabbix, New Relic, and Wazuh, setting up alerts and notifications to ensure system stability and availability.

L2 Server Engineer

HashRoot Technologies (P) Limited, Ernakulam, Kerala   12/2021 - 03/2022

- **Server Monitoring and Maintenance:** Monitored server health, performance, and security using tools like Nagios, Zabbix, or Prometheus, ensuring optimal uptime and responsiveness.
- **Backup and Recovery:** Implemented backup and recovery strategies for Linux servers, ensuring data integrity and disaster recovery preparedness.
- **Scripting and Automation:** Developed and maintained Bash scripts to automate routine tasks, improving operational efficiency and reducing manual effort.
- **Troubleshooting and Issue Resolution:** Diagnosed and resolved L2 server issues related to Linux and WHMCS, ensuring minimal downtime and maintaining SLAs (Service Level Agreements).

Server and Network Administrator Trainee

Spices Board, Ernakulam   02/2020 – 12/2021

- **Installation & Configuration of Centralized Users:** Implemented and managed LDAP servers for centralized user authentication across systems.
- **Automation with Ansible:** Utilized Ansible for automation, including tracking hardware addresses of servers to ensure consistency and compliance.
- **Shell Scripting Expertise:** Developed shell scripts for automating backup tasks, enhancing efficiency and reliability.
- **Web Servers:** Configured and optimized Apache and Nginx web servers, including setting up reverse proxies to enhance web application security and performance.
- **Database Management:** Proficient in managing MySQL and MariaDB databases, including installation, configuration, and optimization for performance and reliability.
- **Server Hardening:** Utilized methodologies to prevent unrestricted access to the servers.

Education

B.E. Computer Science and Engineering, 2016
Dr. Paul's Engineering College, Pondicherry

Projects

- Implementation of muti-tier high availability IP-geolocation application using docker swarm.
- Terraform VPC module to create subnets (Private & Public) on a new VPC, with route table and its association.
- Launching a WordPress website on LAMP stack across different operating systems using ansible playbook.
- Website hosting on Amazon S3 (with CloudFront) without enabling public access.
- CI/CD pipeline to automate docker image build using ansible & Jenkins.
- Integrating API Gateway with Lambda function to automate start-stop activity of EC2 instances.

Social

Website: 1by2.online
GitHub: github.com/sreehariskumar
Medium: medium.com/@ssksreehari

References:

Pooja S L   - HR Generalist, Crozaint Technologies, hr@crozaint.com - +91 8129367622